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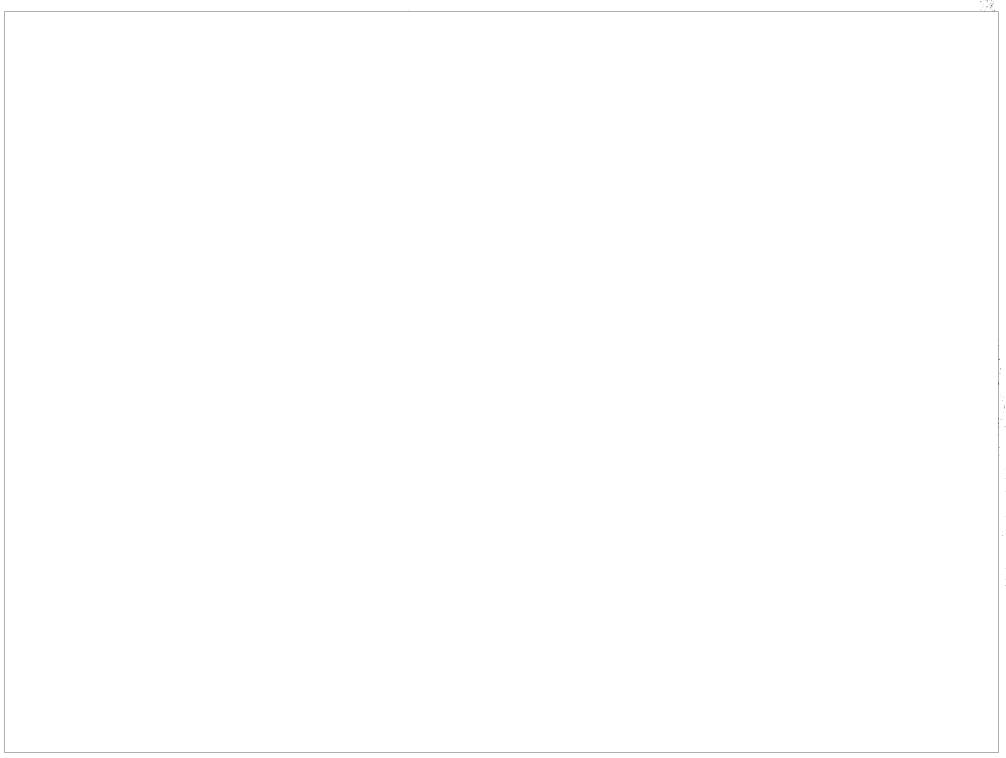

Hamgyong Namdo Songchon Kwanhye Ilnam-to
Office of Electric Power, Bureau of Industry,
/Ministry of Industry, North Korea/, P'yongyang
July 1, 1947

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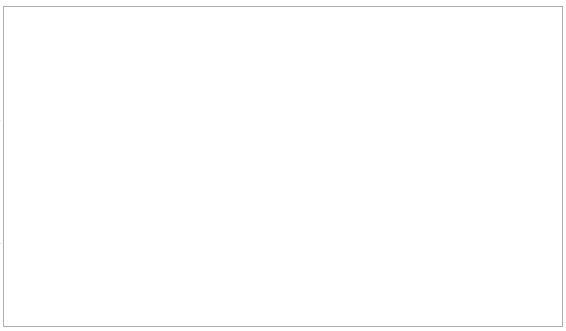


TRANSMISSION SYST

Summary of Transmission Lines Wonsan Branch

Name of Transmission Line	Section Terminals	Voltage KV	Exact KM Length KM	Electric wire and Cable: Kind	Electric wire and Cable: Size	Kind of Maintenance	Remarks
Wonsan Transmission Line	From Pongung Transf. Sta. to Wonsan " "	66	89.007	Bare, heavy copper wire	19/1.8 7/2.6 19/2.6	Metal Towers	Double Line
Inhung " "	From Unbong Switch Sta. to Inhung Transf. Sta.	"	33.585	"	7/2.6	Steel & Hwood poles	
Paktal-lyong " "	From Inhung " " to post No. 20 Paktal-lyong Trans. Line	"	24.364	"	"	"	
Ch'onnae-ri " "	From Sinun-ni Switch Sta. to Ch'onnae-ri Transf. Sta.	"	11.0	"	"	"	
Weong [Near Chukkun-ni] " "	From Wonsan Switch Sta. to Weong Switch Sta.	"	30.08	"	"	"	
Iryong " "	From Weong Switch Sta. to Iryong Transf. Sta.	"	35.935	"	"	"	
Taegang " "	From post No. 213 Iryong Trans. Line to Taegang Transf.	"	7.236	"	"	"	
No. 2 Kalma " "	From Wonsan Transf. Sta. to No. 2 Kalma Transf. Sta.	"	9.85	"	"	"	
Munsan " "	From Unbong " " to Munsan " "	22	10.1	"	"	"	
Sinsang " "	From Munsan " " To Sinsang " "	"	8.9	"	"	"	
Wonp'o " "	From Unbong " " to Yonghung Placer Gold	"	5.0	"	"	Steel & wood pole	
Chinp'yong " "	From Unbong Switch " to Chinp'yong Transf. "	"	11.425	"	"	"	
Yonghung Gang " "	From Yonghung Gang " " to Yonghung " "	"	13.7	"	7/2.6 5.0	"	
Unsu " "	From Unbong " " to Yonghung " "	"	10.0	"	7/2.6	"	
Yonghung Gold Mine " "	From Yonghung " " to Yonghung Gold Mine "	"	10.8	Bare, heavy* copper C.S. alloy lines	7/2.6 5.0	"	
Ullim " "	From Inhung Transf. Sta. to Ullim " "	"	40.426	Bare heavy copper wire	7/2.6	"	
Sanggyongdun "	From post No. 84 Ullim Trans. Line to Sanggyongdun Transf.	"	0.145	"	5.0	"	
Kowon No. 1 Coal Mine " "	From post No. 125 Ullim Trans. Line to Kowon No. 1 Coal Mine Transf. Sta.	"	9.2	"	7/2.6	"	
Kowon No. 2 Coal Mine " "	From Kowon No. 1 Coal Mine to Kowon No. 2 Coal Mine Transf.	"	9.4	"	"	"	
Yonghung " "	From Kowon Transf. Sta. to Yonghung " "	"	11.905	"	5.0	"	
Kowon " "	From Munp'yong Switch " to Kowon Transf. "	"	26.26	"	"	"	
Chinhung " "	From post No. 43 Yonghung Trans. Line to Chinhung Transf. Sta.	"	5.6	"	5.0 7/2.6	"	
Munch'on Coal Mine " "	From Chewi-ri Switch Sta. to Munch'on Coal Mine Transf.	"	11.2	"	"	"	
Sinp'ung Coal Mine " "	From Munch'on Coal Mine " " to Sinp'ung Coal Mine " "	"	5.407	"	5.0	"	
Puksong " "	From Munch'on Transf. " to Puksong " "	"	7.3	"	5.0 7/2.6	"	
Munp'yong " "	From Wonsan " " to Munp'yong Smelter " "	"	14.7	"	7/2.6	H wood pole Steel	
Munp'yong No. 2 [illegible]	From [illegible]						

*presumably copper steel alloy line is meant here

Name of Transformer Station	Source of motive power	Name of system and river
Samtae-ri	Water power	Yanggang ch'on
Sangp'yong-ni	Water power	Yanggang ch'on
Yonghung Gang	Water power	Yonghung Gang

Unhung-myon
Hyesan-up
Manju [Manchuria]
Electric
Indust

TRANSMISSION SYSTE

Summary of Transmission Lines Wonsan Branch

Name of Transmission Line	Section Terminals	Voltage KV	Exact KM Length	Electric wire and Cable: Kind	Electric wire and Cable: Size Cu	Kind of Maintenance	Remarks
Wonsan Transmission Line	From Pongung Transf. Sta. to Wonsan " "	66	89.007 KM	Bare, heavy copper wire	19/1.8 7/2.6 19/2.6	Metal Towers	Double Line
Inhung " "	From Unbong Switch Sta. to Inhung Transf. Sta.	"	33.585	"	7/2.6	Steel & H wood poles	
Paktal-lyong " "	From Inhung " " to post No. 20 Paktal-lyong Trans. Line	"	24.364	"	"	"	
Ch'onnae-ri " "	From Sinan-ni Switch Sta. to Ch'onnae-ri Transf. Sta.	"	11.0	"	"	"	
~~Wiung~~ [Near Chukkun-ni] "	From Wonsan Switch Sta. to Wiung Switch Sta.	"	30.08	"	"	"	
Iryong " "	From Wiung Switch Sta. to Iryong Transf. Sta.	"	35.935	"	"	"	
Taegang " "	From post No. 215 Iryong Trans. Line to Taegang Transf.	"	7.236	"	"	"	
No. 2 Kalma " "	From Wonsan Transf. Sta. to No. 2 Kalma Transf. Sta.	"	9.85	"	"	"	
Munsan " "	From Unbong " " to Munsan " "	22	10.1	"	"	"	
Sinsang " "	From Munsan " " To Sinsang " "	"	8.9	"	"	"	
Wonp'o " "	From Unbong " " to Yonghung Placer Gold	"	5.0	"	"	"	
Chinp'yong " "	From Unbong Switch " to Chinp'yong Transf. "	"	11.425	"	"	Single wood pole	
Yonghung Gang " "	From Yonghung Gang " " to Yonghung " "	"	13.7	"	7/2.6 5.0	"	
Unsu " "	From Unbong " " to Yonghung " "	"	10.0	"	7/2.6	"	
Yonghung Gold Mine " "	From Yonghung " " to Yonghung Gold Mine "	"	10.8	Bare, heavy copper CCS alloy line*	7/2.6 5.0	"	
Ullim " "	From Inhung Transf. Sta. to Ullim " "	"	40.426	Bare heavy Copper wire	7/2.6	"	
Sanggyongdun " "	From post No. 84 Ullim Trans. Line to Sanggyongdun Transf.	"	10.145	"	5.0	"	
Kowon No. 1 Coal Mine " "	From post No. 125 Ullim Trans. Line to Kowon No. 1 Coal Mine Transf. Sta.	"	9.2	"	7/2.6	"	
Kowon No. 2 Coal Mine " "	From Kowon No. 1 Coal Mine to Kowon No. 2 Coal Mine Transf.	"	9.4	"	"	"	
Yonghung " "	From Kowon Transf. Sta. to Yonghung " "	"	11.905	"	5.0	"	
Kowon " "	From Munp'yong Switch " to Kowon Transf. "	"	26.26	"		"	
Chinhung " "	From post No. 43 Yonghung Trans. Line to Chinhung Transf. Sta.	"	5.6	"	5.0 7/2.6	"	
Munch'on Coal Mine "	From Chewi-ri Switch Sta. to Munch'on Coal Mine Transf.	"	11.2	"	"	"	
Sinp'ung Coal Mine " "	From Munch'on Coal Mine " " to Sinp'ung Coal Mine " "	"	5.407	"	5.0	"	
Puksong " "	From Munch'on Transf. " " to Puksong " "	"	7.3	"	5.0 7/2.6	"	
Munp'yong " "	From Wonsan " " to Munp'yong Smelter " "	"	14.7	"	7/2.6	H wood poles	
Munp'yong [illegible]	From [illegible]					Single	

*presumably copper steel alloy line/s meant here

Name of Transformer Station	Source of motive power	Name of syste[m] and rive[r]
" Samt'ae-ri	Water power	Yanggi ch'on
Sangp'yong-ni	Water power	Yanggi ch'on
Yonghung Gang	Water power	Yonghu[ng] Gang

Unhung-myon
Hyesan-up
Manju [Manchuria]
Electric
Indus[try]

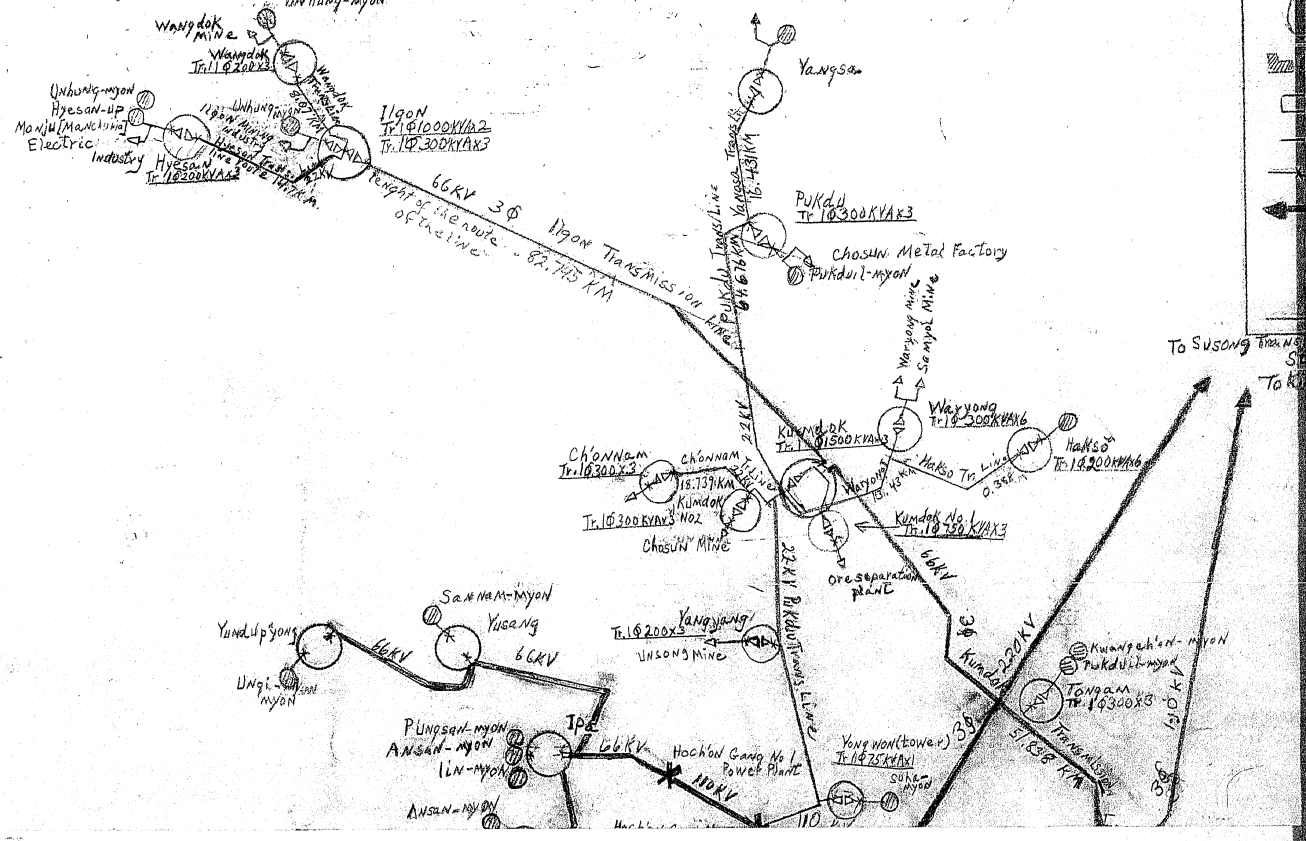
CONFIDENTIAL

N SYSTEM OF HAMGYONG NAMD

SECURITY INFORMATION

Summary of Transformer Equipment

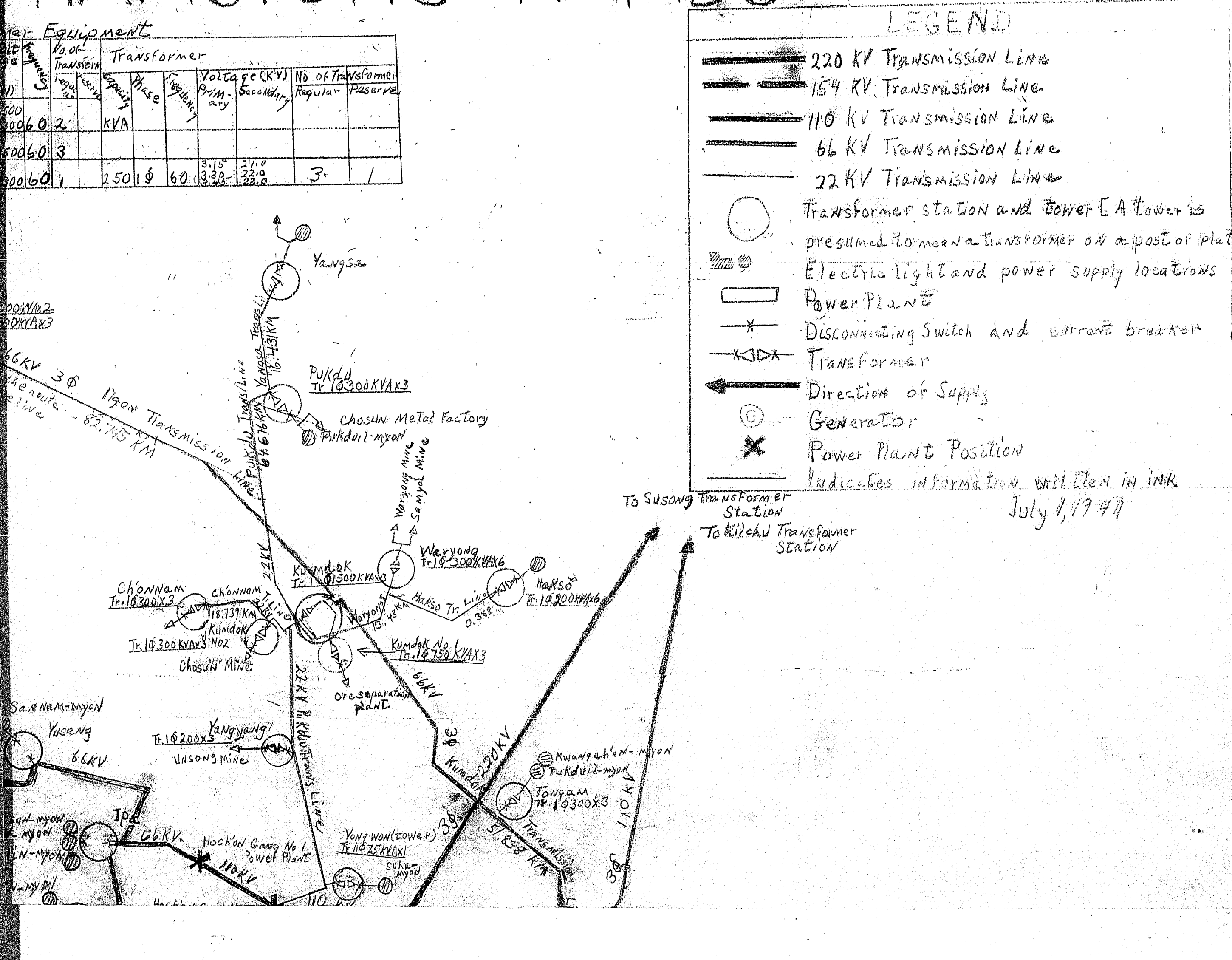
Name of Transformer Station	Source of Motive power	Name of system and river	Output (KW) Maximum peak	Ordinary peak	Ordinary time	Extra ordinary time	Kind	Capacity (KAV)	Voltage (V)	Frequency	No. of Transformer regular	reserve	Transformer Capacity	Phase	Frequency	Voltage (KV) Primary	Secondary	No. of Transformer Regular	Reserve
Samtae-ri	Water power	Yangji Ch'on	350	106	42	306	alternating current	500 / 75	3500 / 3300	60	2		KVA						
Sangp'yong-ni	Water power	Yangji Ch'on	235	134	53	182		75	3500	60	3								
Yonghung Gang	Water power	Yonghung Gang	600	600	240	390		750	3300	60	1		250	1φ	60	3.15 / 3.30 / 3.45	21.0 / 22.0 / 23.0	3	1



HAMGYONG NAMDO

…er Equipment

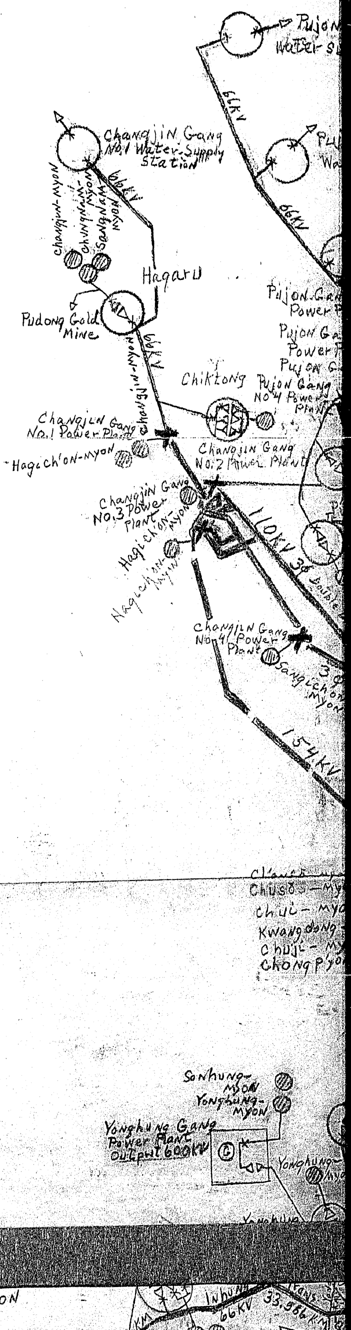
…olt …ge (…V)	Frequency	No. of Transform… Regular	Reserve	Transformer Capacity	Phase	Frequency	Voltage (KV) Primary	Voltage (KV) Secondary	No of Transformer Regular	No of Transformer Reserve
…500 …000	60	2		KVA						
…500	60	3								
…300	60	1		250	1φ	60	3.15 3.30 3.45	21.0 22.0 23.0	3	1

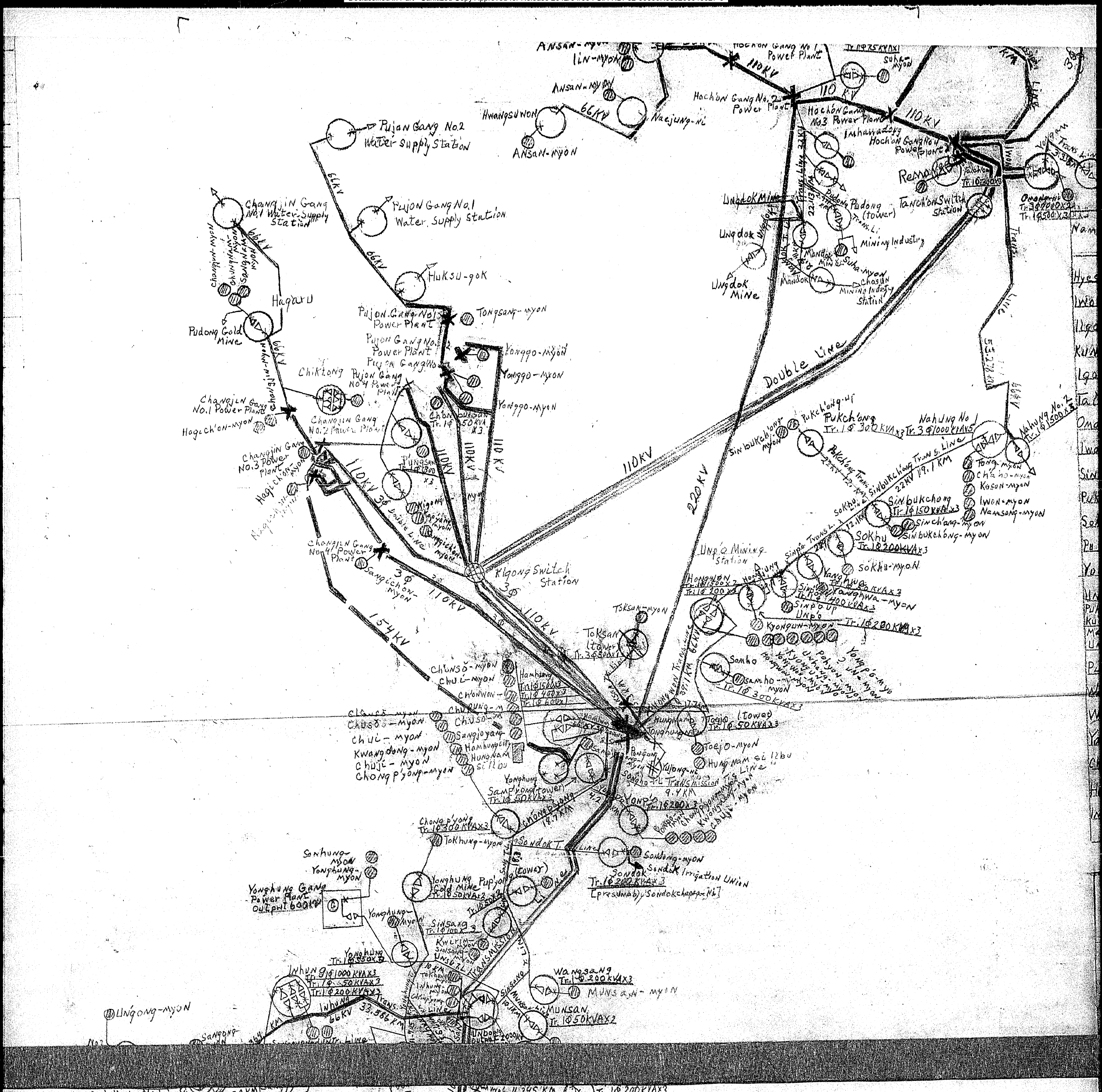


Coal Mine			to Munch'on ...					5.0	"
Sinp'ung Coal Mine"	"		From Munch'on Coal Mine " to Sinp'ung Coal Mine " "	"		5.407	"	5.0	"
Puksong	"	"	From Munch'on Transf. " to Puksong " "	"		7.3	"	7/2.6	"
Munp'yong	"	"	From Wonsan " " to Munp'yong Smelter " "	"		14.7	"	7/2.6	H wood pole
Munp'yong Steel Pipe [Plant]	"	"	From Munp'yong Switch Sta. to Munp'yong Steel Pipe [illegible]	"		4.09	"	5.0	Single wood pole
Munp'yong Lt. Metal [Plant]	"	"	From post No. [illegible] Munp'yong Trans. Line to Munp'yong Lt. Metal	"		1.777	"	"	
No. 2 Sogok	"	"	From Wonsan Transf. Sta. to Susong-ni Switch "	"		5.7	"	7/2.6 5.0	H wood pole Double Line Single
Anbyon	"	"	From " to Anbyon Transf. "	"		13.6	"	7/2.6	Wood pole
Paehwa Branch	"	"	From " to Paehwa " "	"		1.883	"	5.0	"
Sogok	"	"	From Susong-ni " to Sogok "	"		[illegible]	"	7/2.3 7/2.3	H wood pole Single
Sangdong	"	"	From Wonsan " to Sangdong " "	"		3.94	"	7/2.6	wood pole
Sungong	"	"	From Iryong " to Sungong " "	"		1.661	"	7/2.6	"
Samtae-ri } Wonsan	"	"	From Samt'ae-ri " to Wonsan "	"	66	9.896	No. 2 Bare copper wire	[5.0]	"
Kalma Branch	"	"	From post No. 134 Kalma Trans. Line to Kalma No. 2 Temporary		22	.16	Bare heavy copper wire	7/2.6	"
Kalma	"	"	From Kalma No. 2 Trans. Sta. to " No. 1 " "		"	2.718	"	"	H wood pole

Summary of Transformer Equipment: Wonsan Branch

Name of Transformer Station	Total output KVA	Description of Transformer: Capacity per Transformer	Phase	Frequency	Voltage KV Primary	Voltage KV Secondary	Number of Transf. Regular	Number of Transf. Reserve
Unbong Transformer Station	2000	1000	3φ	60	66	22	2	
	600	200	1φ	"	22	3.45	3	
Wonsan Transformer Station	8660	2500	"	"	66	22	4	
	3000	1000	3φ	"	22	3.45	3	
Inhung Transformer Station	3000	1000	1φ	"	66	22	3	
		50	"	"	22	3.45	3	1
		200	"	"	"	"	3	
Chonnae-ri Transf. Sta.	9000	1500	1φ	60	66	3.45	6	
Iryong " "	4500	1500	"	"	"	22	3	1
	2700	300	"	"	22	3.45	9	1
Taegang " "	150	50	"	"	66	"	3	
No. 2 Kalma Transformer Station	7500	2500	3φ	"	66	22	3	
	1000	500	3φ	60	22	3.45	2	
Wonsan Transf. Sta.	130	75	1φ	"	"	"	2	
Wangsang " "	600	200	"	"	"	"	3	
Wonp'o " "	300	100	"	"	"	"	3	
Chinsong " "	600	200	"	"	"	"	3	
Yonghung Gold Mine	[illegible]						2	





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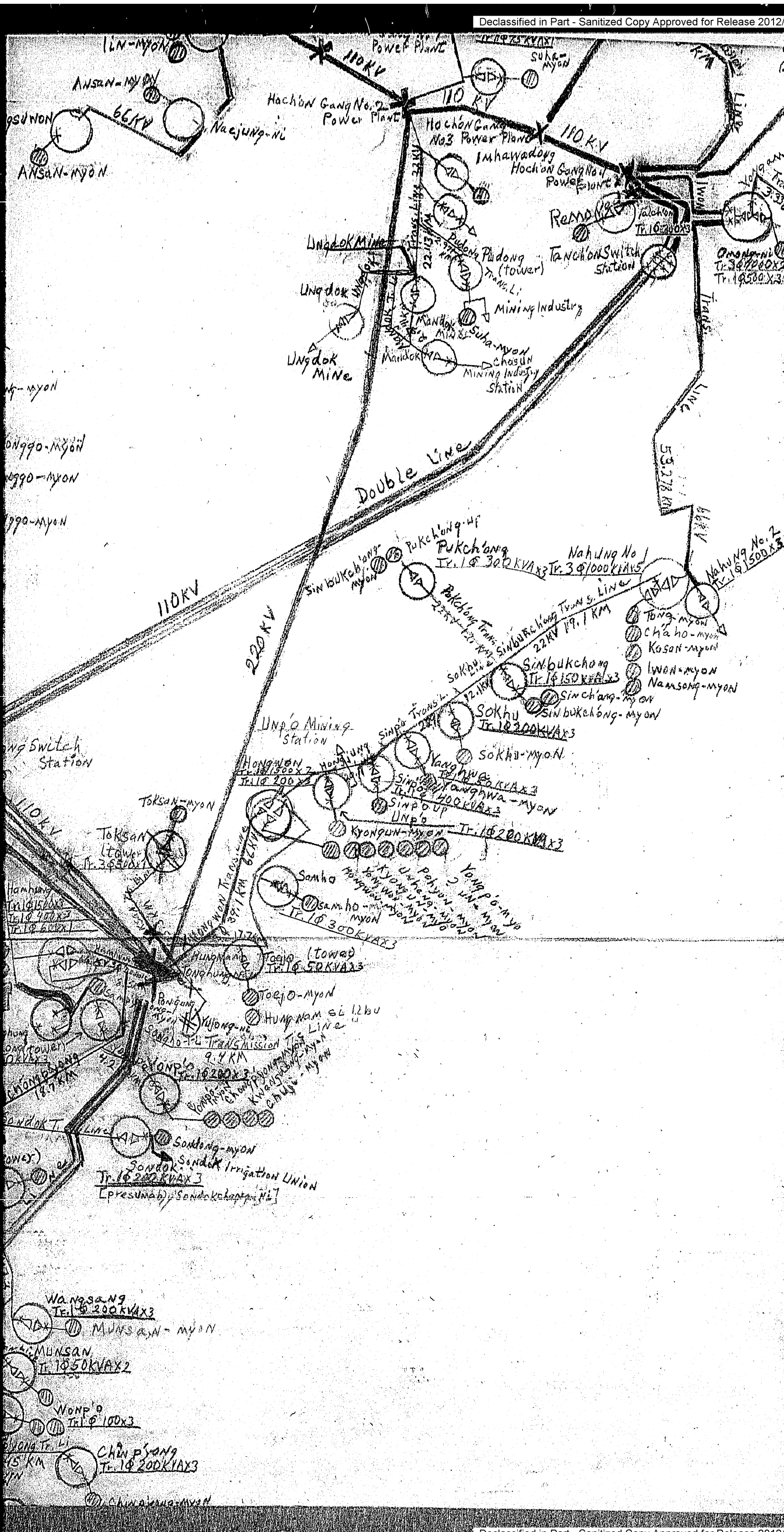


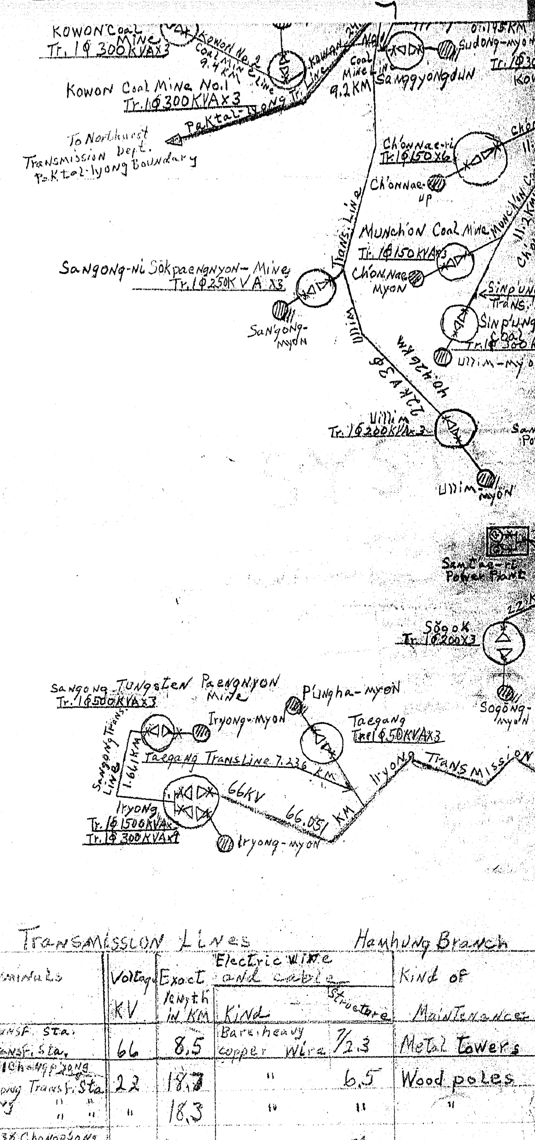
Summary of Transmission Lines [Pukch'ong ...]

Name of Transmission Line	Section Terminals	Voltage KV	Exact Length in KM	Electric Wire and size: Kind	twisted	K
Hyesan Transmission Line	From Ilgon Transf. Sta to Hyesan " "	22	14.7	Bare, heavy, copper wire	[original torn off]	
Iwon " "	From Transf. Sta. No 4 Power Plant to Nahung No. 1 Transf. Sta.	66	53.278	"	"	"
Ilgon " "	From Kumdok Transf. Sta. to Ilgon " "	"	82.745	"	"	"
Kumdok " "	From Transf. Sta. No 4 Power Plant to Kumdok Transf. Sta.	"	51.838	"	"	"
Igong "	From post No. 296 Iwon Trans. Line to Igong Transf. S	"	51.037	"	"	"
Talch'on Removed "	From Transf. Sta. No 4 Power Plant to Talch'on Transf. Sta.	"	7.638	"	"	"
Omong-ni Branch Line	From post No. 26 Iwon Trans. Line to Omong-ni Transf. Sta	"	2.3	"	"	"
Iwon Iron Mine Transf. Line	From post No. 13 Sinbukch'ong Line to Igong Transf. Sta	22	2.2	"	"	"
Sinbukch'ong " "	From Nahung [No. 1] Transf. Sta to Sinbukch'ong Transf. Sta.	"	19.1	Bare heavy copper wire	7/2.0	"
Pukch'ong " "	From Sinbukch'ong " " to Pukch'ong " "	"	12.8	"	5.0	"
Sokhu " "	From Sinbukch'ong " " to Sokhu " "	"	12.1	Bare heavy twisted copper wire	7/2.6	(8)
Pukdu " "	From Kumdok " " to Pukdu	"	64.676	"	7/2.3 7/2.6	(9)
Yongam " "	From Omong-ni " " to Yongam	"	3.338	"	7/2.0	(10)
Ungdok	From Transf. Sta. No. 4 Power Plant to Ungdok Transf. Sta.	"	22.113	"	7/2.3 7/2.0	
Pukdu Branch Trans. Line Kumdok No. 2 Transf. Sta.	From Kumdok " " to Kumdok No. 2 " "	"	4.421	"	"	
Mandok Branch Trans. Line Ungdok Trans. Line	From Ungdok " " to Mandok " "	"	2.941	"	"	
Pudong " "	From post No. 214 Ungdok Trans. Line to Pudong Transf. Sta.	"	2.971	"	7/2.0	
Wangdok " "	From Ilgon Transf. Sta. to Wangdok " "	"	8.07	"	"	
Waryong " "	From Kumdok " " to Waryong " "	"	13.434	"	7/2.3	
Yangsa " "	From Pukdu " " to Yangsa " "	"	16.481	"	"	
Ch'onnam " "	From Kumdok No. 2 " " to Ch'onnam " "	"	18.739	"	"	
Hakso " "	From Waryong " " to Hakso " "	"	0.388	"	"	(11)
Imhwadong " "	From post No. 22 Pukdu Trans. Line to Imhwadong Transf. Sta.	"	5.91	"	"	

Summary of Transformer Equipment Pukch'ong Branch

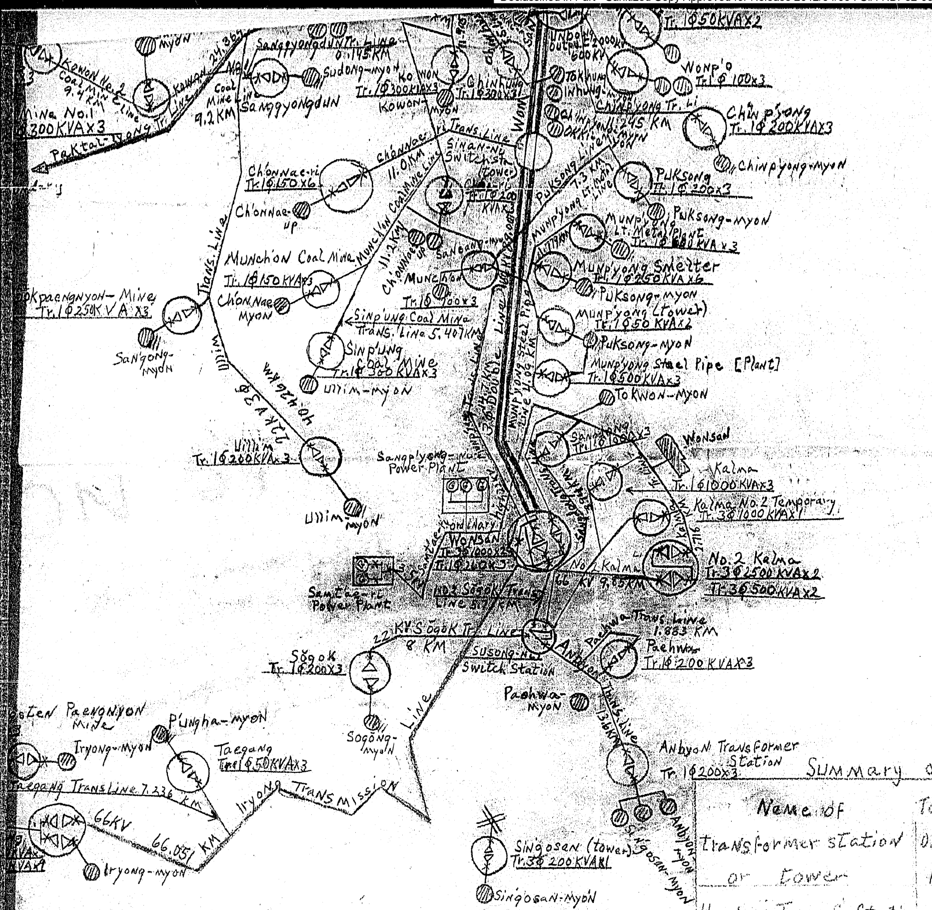
Name of transformer station or tower	Total output KVA	Description of Transformer: capacity per transf. KVA	Phase	Frequency	Voltage KV: Primary	Voltage KV: Secondary	No. of transf.: Regular	No. of transf.: Reserve	Remarks
Nahung No. 1 Transformer Station	3000	1000	3φ	60	66	22	3		
		1000	3φ	"	22	3.45	2		
Nahung No. 2 Transf. Sta.	4500	1500	1φ	"	66	"	3		(1)
Iwon Iron Mine " "	2100	300	"	"	22	"	3		
		200	"	"			6		
Iwon Iron Mine [illegible] " "	300	100	"	"	"	"	3		(2)
Sinbukch'ong " "	450	150	"	"	"		3		

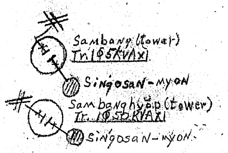
Kowon No. 2 Coal Mine	"	"	900	300	"	"	"	"	3
[Dgangsaeng Mine?] Sangong	"	"	750	250	"	"	"	"	3
Ullim	"	"	600	200	"	"	"	"	3
Chinhung	"	"	900	300	"	"	"	"	3
Kowon	"	"	900	300	"	"	"	"	3
Chewi-ri	"	"	600	200	"	"	"	"	3
Munch'on Coal Mine	"	"	450	150	"	"	"	"	3
Sinp'ung Coal Mine	"	"	900	300	"	"	"	"	3
Munch'on	"	"	300	100	"	"	"	"	3
Puksong	"	"	600	200	"	"	"	"	3
Munp'yong	"	"	866	50	"	"	"	"	2
Munp'yong Steel Pipe [Plant]	"	"	1500	500	"	"	"	"	3
Munp'yong Smelter	"	"	1500	250	"	"	"	"	6
Munp'yong Lt. Metal [Plant]	"	"	1800	600	"	"	"	"	3
Sangdong	"	"	3000	1000	"	"	"	"	3
Kalma	"	"	3000	1000	3ϕ	"	"	"	3
Kalma No. 2 Temporary	"	"	1000	1000	"	"	"	"	1
Sōgok	"	"	600	200	1ϕ	"	"	"	3
Pachwa	"	"	600	200	"	"	"	"	3
Anbyon	"	"	600	200	"	"	"	"	3
Sangong Tungsten Paengnyon Mine	"	"	1500	500	"	"	"	"	3
Sambanghyōp	"	tower	50	50	"	"	"	"	1
Sambang	"	"	5	5	"	"	"	"	1
Singosan	"	"	200	200	3ϕ	"	"	"	1
Sangsambang	"	"	5	5	1ϕ	"	"	"	1



Summary of Transmission Lines — Hamhung Branch

Name of Transmission Line	Section Terminals	Voltage KV	Exact length in KM	Electric wire and cable: Kind	Electric wire and cable: Structure	Kind of Maintenance
Hamhung Trans. Line	From Pongung Transf. Sta. to Hamhung Transf. Sta.	66	8.5	Bare heavy copper Wire	7/2.3	Metal towers
Chongp'yong Trans Line	From post No. 1 Chongp'yong Line to Chongp'yong Transf. Sta.	22	18.7	"	6.5	Wood poles
Sinsang " "	From Chongp'yong to Sinsang " "	"	18.3	"	"	"
Yonp'o " "	From post No. 138 Chongp'yong Trans. Line to Yonp'o Transf. Sta.	"	4.2	"	7/3.3	"
Sondok " "	From post No 163 Sinsang Trans. Line to Sondok Tr. Sta.	"	6.0	"	7/2.0	"
Songho-ri " "	From Hamhung Transf. Sta. to post No1 Chongp'yong Tr. Sta.	"	9.4	"	"	"
Hongwon " "	From Pongung Transf. Sta. to Hongwon " "	"	39.1	"	7/3.5 7/2.6	"
Hongjung " "	From Hongwon to center Poju Switch Sta.	66	20.1	"	7/2.6	"
Unp'o " "	From post No 131 Hongjung Trans Line to Unp'o Transf. Sta.	22	0.5	"	5.0	"
Poju " "	From center Poju Switch Sta. to Sinp'o Transf. Sta.	"	5.2	"	7/2.6	"
Sinp'o " "	From Sinp'o to Sinbukch'ong " "	"	22.9	"	"	"
Chonbulsan " "	From Pujon Gang Non Power Plant to Chonbulsan Tr. Sta.	"	13.8	"	7/2.0	"
P'ungsan " "	From Chonbulsan to P'ungsan " "	"	7.2	"	"	"
Chikdong " "	From post No. 13 Kaech'on Trans. Line to Chikdong Transf. Sta.	66	7.5	"	7/2.3 7/2.6	"
Toksan special high distribution transm. line	From Yujong-ni Transf. Sta. to Toksan " "	22	23.3	"	7/2.6	"
Tonghae special high distribution line [illegible]	From Hongwon [illegible]	"	17.7	"	5.0	"





...n Lines Hamhung Branch

Exact length in KM	Electric wire and cable: Kind	Structure	Kind of Maintenance
8.5	Bare heavy copper wire	7/2.3	Metal towers
18.7	"	6.5	Wood poles
18.3	"	"	"
4.2	"	7/2.3	"
6.0	"	7/2.0	"
9.4	"	"	"
39.1	"	7/3.5 7/2.6	"
20.1	"	7/2.6	"
0.5	"	5.0	"
5.2	"	7/2.6	"
22.9	"	"	"
13.8	"	7/2.0	"
7.2	"	"	"
7.5	"	7/2.3 7/2.6	"
23.3	"	7/2.6	"

Summary of Transformer Equipment Hamhung Branch

Name of transformer station or tower	Total output KVA	Description of Transformer: Capacity [per transf.] KVA	Phase	Frequency	Voltage KV: Primary	Secondary	No. of Transformers: Regular	Reserve
Hamhung Transf. Station	4500	1500	1φ	60	66	3.45	3	
	1200	400	"	"	66	22	3	
	~~10500~~	6000	3φ	"	66	3.45	1	[* Note below]
Yonp'o Tranf. Station	600	200	1φ	"	22	"	3	
Chongp'yong " "	900	300	"	"	"	"	3	
Sondok " "	600	200	"	"	"	"	3	
Sinsang " "	300	100	"	"	"	"	3	
Unp'o " "	600	200	"	"	"	"	3	
Sinp'o " "	1200	400	"	"	"	"	3	
Chiktong " "	1200	200	"	"	66	"	6	
Hagaru " "	900	300	"	"	"	"	3	
P'ungsang [sic] [presumably P'ungsan] " "	900	300	"	"	22	"	3	
Ch'onbulsan " "	150	50	"	"	"	"	3	
Hongwon " "	2600	1500	"		66	22	3	
		200			22	3.45	3	
Toksan Transf. Tower	500	500	3φ		"		1	
Taejo " "	150	50	1φ		"		3	
Samho " "	90	30	"		"	"	3	
Sampyong " "	150	50	"		"	"	3	
P... " "	87	50	"	"	"	"	2	

Nahung Na...
Iwon Iron...
Iwon Iron ... [Iwon]
Sinbukch...
Pukch'ong
Sokhu
Igong
Omeng-...
Yang...
Talchon...
Tongam...
Kumdok M...
Kumdok
Kumdok ...
Yongyam...
Pukdu
Ryon...
Wanydo...
Hyesan...
Hakso
Ch'onnam...
Waryong...
Yongwon...
Inhung...
Imhwad...
Mandok ... Trans...
Ungdok ... Mandok...
Ungdok...
Mando...
Pudong...

* Note: Transfo... to above ... 10500 ...

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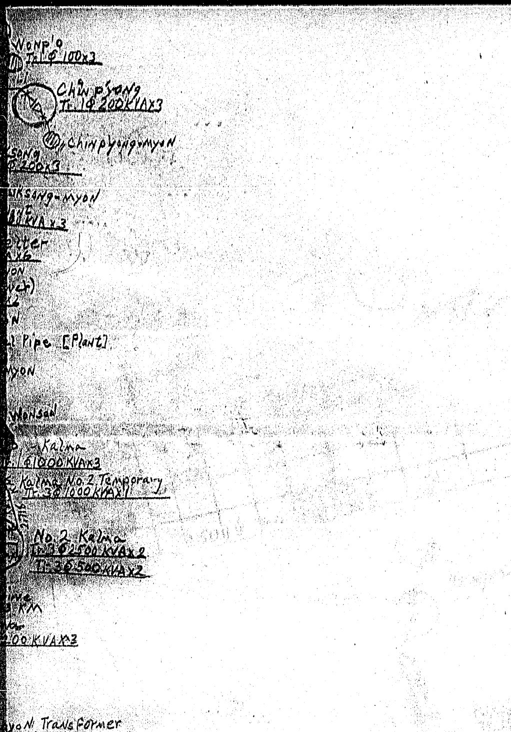
SECURITY INFORMATION



Summary of Transformer Equipment Hamhung Branch

Name of Transformer station or tower	Total Output KVA	Capacity [per Transf.] KVA	Phase	Frequency	Voltage KV Primary	Voltage KV Secondary	No. of Transformers Regular	No. of Transformers Reserve	
Hamhung Transf. Station	4500	1500	1φ	60	66	3.45	3		
	1200	400	"	"	66	22	3		
	~~10500~~	6000	3φ	"	66	3.45	1	[* Note below]	
Yonp'o Tranf. Station	600	200	1φ	"	22	"	3		
Chongp'yong " "	900	300	"	"	"	"	3		
Sondok	600	200	"	"	"	"	3		
Sinsang " "	300	100	"	"	"	"	3		
Unp'o " "	600	200	"	"	"	"	3		
Sinp'o " "	1200	400	"	"	"	"	3		
Ch'iktong " "	1200	200	"	"	66	"	6		
Hagsrin " "	900	300	"	"	"	"	3		
P'ungsang [sic] [presumably P'ungsan] " "	900	300	"	"	22	"	3		
Ch'onbulsan " "	150	50	"	"	"	"	3		
Hongwon " "	2600	1500	"	"	66	22	3		
		200	"	"	22	3.45	3		
Toksan Transf. Tower	500	500	3φ	"	"	"	1		
Toejo " "	150	50	1φ	"	"	"	3		
Samho " "	90	30	"	"	"	"	3		
Sampyong " "	150	50	"	"	"	"	3		
Pyohyong " "	87	50	"	"	"	"	2		
[illegible]									
[illegible] No. 2 Transf. Sta.	4500	1500	1φ	"	66		3		①
Iwon Iron Mine " "	2100	300	"	"	~~22~~	"	3		
		200	"	"		"	6		
Iwon Iron Mine, Isan " "	300	100	"	"			3		②
Sinbukch'ong " "	400	150	"	"		"	3		
		100	"	"				2	③
Pukch'ong " "	900	300	"	"			3	4	④
Sokhu	600	200	"	"			3		
Igong " "	1730	1000	"	"	66	22	2		⑤
		300	"	"	22	3.45	6	1	
Omong-ni " "	3500	1000	3φ	"	66	22	2		
		500	1φ	"		"	3		
Yongam " "	2000	1000	3φ	"	22	3.45	2		
Taechon " "	900	300	1φ	"	66	"	3		
Tongam " "	900	300	"	"	"	"	3		
Kumdok No. 2 " "	900	300	"	"		"	3		
Kumdok " "	4500	1500	"	"	22	"	3		
Kumdok No. 1 " "	2250	750	"	"	"	"	3		
Yongyang " "	600	200	"	"	"	"	3		
Pukdu " "	900	300	"	"	"		3		
Ilyon " "	1730	1000	"	"	66	22	3		
		300	"	"	22	3.45	3		
Wangdok " "	600	200	"	"	"	"	3	1	⑥
Hyesan " "	600	200	"	"	"	"	3		
Hakso " "	1200	200	"	"	"	"	6		
Ch'annam " "	900	300	"	"	"	"	3		
Waryong " "	1800	300	"	"			6		
Yongwon Transf. Tower	75	75	"	"			1		
Inhung " "	150	50	"	"			3		⑦
Inhwadong Transf. Sta.	1100	200	"	"			3		
		170	"	"	"	"	3		
Mandok aerial cable Transformer Tower	87	50	"	"	"		2		
Ungdok Mine, Mandok Transf. Station	300	100	"	"	"	"	3		
Ungdok "	1500	500	"	"		"	3		
Mandok "	225	75	"	"	"		3		
Pudong " "	1200	300	"	"			3		
		100	"	"	"	"	3		

* Note: Remark is made that this transformer was installed as increase to above 6 transformers. The figures 10500 are crossed out as shown.

① 1500x7
② Removed
③ 100x2
④ 200x3, 75x1
⑤ 1000x1
⑥ 200x1
⑦ Removed
⑧ Single pole
⑨ Standard work H pole
⑪ 200x1